

Instructions for Authors

Scope

Open Statistics is a peer-reviewed, electronic-only, open access journal publishing significant, original and relevant works in all areas of statistics.

The manuscripts submitted to the journal are free for both readers and authors. There are no submission or publication fees (Article Processing Charges).

The aim of **Open Statistics** is to provide an internationally recognized and high-quality platform for release, discussion and dissemination of conceptual or methodological advances in statistics.

The scope of the journal includes but is not limited to the following:

- Applications of statistical methods
- Biostatistics
- Computational statistics
- Data analysis
- Data mining
- Data science
- Decision theory
- Distribution theory
- Econometrics
- Estimation theory
- High-dimensional data analysis
- Inference from stochastic processes
- Mathematical statistics
- Multivariate analysis
- Nonparametric inference
- Parametric inference
- Sequential methods
- Statistical methods
- Statistical modeling
- Survival analysis
- Time series

Editorial Policy

Unpublished material

Submission of a manuscript implies that the work described is not copyrighted, published or submitted elsewhere, except in abstract form. The corresponding author should ensure that all authors approve the manuscript before its submission.

Conflict of interest

When authors submit a manuscript, they are responsible for recognizing and disclosing financial and/or other conflicts of interest that might bias their work and/or could inappropriately influence his/her judgment. In case no conflict of interest exists, authors should state so.

Financial support

If authors received specific grant from any funding agency, commercial or not for-profit sectors it should be clearly stated during the submission.

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Authorship

Authorship should be limited to those who have made a significant contribution to the conception, design, execution, or interpretation of the reported study. All those who have made significant contributions should be listed as co-authors. Where there are others who have participated in certain substantive aspects of the research project, they should be named in an Acknowledgement section.

Data sharing policy

The journal requires authors to follow data sharing policy available on [our website](#). We encourage authors to make the data available for the public. We offer a possibility to publish additional files together with the article as Supplementary Materials. Data and other materials can be also stored using one of the repositories (such as Open Science Framework, <https://osf.io>), preferably selected from those indexed on [FAIRsharing.org](https://fairsharing.org) or re3data.org. The decision to publish the article will not be affected by whether or not authors share their research data.

Peer Review process

The Editors reserve the right to decline the submitted manuscript without review, if the studies reported are not sufficiently novel or important to merit publication in the journal. Manuscripts deemed unsuitable (insufficient originality or of limited interest to the target audience) are returned to the author(s) without review. The Editor seeks advice from experts in the appropriate field. Research articles, review articles and communications are refereed by a minimum of two reviewers. The journal uses single-blind peer review model. Authors are requested to suggest persons competent to review their manuscript. However, please note that this will be treated only as a suggestion, and the final selection of reviewers is exclusively the Editor's decision. The final decision of acceptance is made by Managing Editor or, in case of conflict, by the Editor-in-Chief.

Scientific Misconduct

This journal publishes only original manuscripts that are not also published or going to be published elsewhere. Multiple submissions/publications, or redundant publications (re-packaging in different words of data already published by the same authors) will be rejected. If they are detected only after publication, the journal reserves the right to publish a Retraction Note. In each particular case the Editors will follow [COPE's Core Practices](#) and implement its advice.

Electronic Submission

Open Statistics encourages the submission of both substantial full-length bodies of work and shorter manuscripts that report novel findings. There are no specific length restrictions for the overall manuscript or individual sections; however, we urge the authors to present and discuss their findings in a concise and accessible manner. All submitted manuscripts must be written in English language.

Manuscripts submitted under multiple authorship are reviewed on the assumption that all listed authors concur in the submission and are responsible for its content; they must have agreed to its publication and have given the corresponding author the authority to act on their behalf in all matters pertaining to publication. The corresponding author is responsible for informing the coauthors about the manuscript status throughout the submission, review, and production process.

All submissions must be made via [online submission system Editorial Manager](#). First-time users must create an Author account in order to obtain a user ID and password required to enter the system. All manuscripts receive individual identification codes that should be used in any correspondence with regard to the publication process.

If you experience difficulties with the manuscript submission website, please contact the Editorial Office of this journal (openstatistics@degruyter.com).

Publication Formats

Open Statistics considers submissions of:

- **Research Article** – The default format for reporting research results. There is no length restriction.
- **Review Article** – Used to submit literature reviews on a topic of interest. The article should contain a broad, balanced and fair perspective of the topic, identifying trends and/or gaps in the literature or providing a new

synthesis of existing literature. Reviews should be scientifically sound and should describe the most relevant and recent contributions.

- **Communication** – This format is intended for the presentation of brief observations that do not warrant full-length papers. An empirical report resulting from analysis of collected data to address one or more research questions and/or hypotheses.

Electronic Formats Allowed

We accept submissions of text, tables and figures as separate files or as a composite file. For your initial submission, we recommend you upload your entire manuscript, including tables and figures, as a single PDF file. If you are invited to submit a revised manuscript, please provide us with individual files: an editable text and publication-quality figures.

- Text files can be submitted in the following formats:
 - ❖ LATEX, AMS-TEX, AMS-LATEX (**preferred format**). We do not accept papers in Plain TEX format. Authors are strongly advised to submit the final version of the paper using the journal's LATEX template;
 - ❖ MS Word – standard DOCUMENT (.docx/.doc);
 - ❖ RICH TEXT FORMAT (.rtf);
 - ❖ PDF (not applicable for re-submitted or accepted manuscripts, see below).
- Tables should be embedded in LATEX (strongly preferred) or submitted as PDF (not applicable for accepted manuscripts, only for reviewing process). Please note that a straight Excel file is not an acceptable format.
- Graphics files can be submitted in any of the following graphic formats: EPS; BMP; JPG; TIFF; GIF or PDF. Please note that Powerpoint files are not accepted.

Post-acceptance, text files of the revised manuscript and tables are required for use in the production. **Authors should clearly indicate the location(s) of tables and figures in the text** if these elements are given separately or at the end of the manuscript. If this information is not provided to the editorial office, we will assume that they should be left at the end of the text.

First-Time Submission of Manuscripts

It is important that authors include a cover letter with their manuscript. Please explain why you consider your manuscript to be suitable for publication in *Open Statistics*, why your paper will inspire the other members of your field, and how will it drive the academic discussion forward.

The cover letter should explicitly state that the manuscript (or one with substantially the same content, by any of the authors) has not been previously published in any language anywhere and that it is not under simultaneous consideration or in press by another journal. If related work has been submitted, then we may require a preprint to be made available. Reviewers will be asked to comment on the overlap between the related submissions.

Manuscripts that have been previously rejected, or withdrawn after being returned for modification, may be resubmitted if the major criticisms have been addressed. The cover letter must state that the manuscript is a resubmission, and the former manuscript number should be provided.

Submission of Revised Articles

Resubmitted manuscripts should be accompanied by a letter outlining a point-by-point response to the Editor's and reviewers' comments and detailing the changes made to the manuscript. A copy of the original manuscript should be included for comparison if the Editor requests one. If it is the first revision, the authors need to return the revised manuscript within 45 days; if it is the second revision, the authors need to return the revised manuscript within 21 days. Additional time for resubmission must be requested in advance. If the above-mentioned deadlines are not met, the manuscript will be treated as a new submission.

For resubmitted manuscripts, please provide us with an editable text and publication-quality figures. Supply any figures as separate high-resolution, print-ready digital versions.

In addition to the editorial remarks, the authors are asked to take care that they have prepared the revised version according to the Journal's style.

Organization of the Manuscript

We draw particular attention to the importance of carefully preparing the title, keywords and abstract, as these elements are indicators of the manuscript content in bibliographic databases and search engines.

Title

We suggest that the title should be informative, specific to the project, yet concise (75 characters or fewer). Please bear in mind that a title that is comprehensible to a broad academic audience and readers outside your field will attract a wider readership. Avoid specialist abbreviations and non-standard acronyms. Titles should not be presented in title case (words should not be capitalized). Please also provide a brief "running title" of not more than 50 characters.

Authors, Affiliations, Addresses

In the cover letter, provide the first names (or initials – if used), middle names (or initials – if used), and surnames for all authors. Affiliations should include:

- Department
- University or organization
- City
- Postal code
- State/province (if applicable)
- Country

One of the authors should be designated as the corresponding author to whom inquiries regarding the paper should be directed. It is the corresponding author's responsibility to ensure that the author list and the summary of the author contributions to the study are accurate and complete.

Abstract

The abstract should not exceed 200 words. The abstract should give a summary of the content of the paper. Mention the main findings without going into methodological details and summarize briefly the most important items of the paper. Because the abstract will be published separately by abstracting services, it must be complete and understandable without reference to the text.

Please note that abstract has to be copied into submission form in our system that has limit of 200 words and it would not accept longer abstracts.

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List keywords for the work presented (maximum of 6), separated by commas. We suggest keywords that do not replicate those used in the title.

Structure of a paper

Research papers and surveys should follow a strict structure. Generally, a standard scientific paper is divided into:

- **introduction:** present the subject of your paper clearly, indicate the scope of the subject, present the goals of your paper and finally the organization of your paper;
- **main text:** present all important elements of your scientific message;
- **conclusion:** summarize your paper.

The journal is published in English. Make sure that your manuscript is clearly and grammatically written. The mathematical content should be understandable and should not cause any confusion to the readers, including the referees.

General rules for writing:

- use simple and declarative sentences, avoid long sentences, in which the meaning may be lost by complicated construction;
- use correct and established nomenclature whenever possible;
- make your argumentation complete; use commonly understood terms; define all nonstandard symbols and abbreviations when you introduce them;
- explain all acronyms and abbreviations when they first appear in the text;
- use all units consistently throughout the article;
- be self-critical as you review your drafts.

References

Please use the [American Statistical Association \(ASA\) Style](#) for the reference list and in-text citations.

References should be listed in the alphabetical order at the end of the paper. A complete reference list should give the reader enough information to find the relevant article. Please pay particular attention to spelling, capitalization and punctuation.

Below you can find the basic rules for ASA citation and references style:

In-text citations

- If more than one study is cited, organise the citations alphabetically by the first author’s surname
- Multiple citations within a single set of parentheses should be separated by semicolons

Cash (2002) argued that...

...which was supported by later research (Cash 2002)

In 2002, Cash argued that...

Grabe, Ward, and Hyde (2008) discussed...

...the evidence for this claim was provided (Grabe, Ward, and Hyde 2008)

In 2008, Grabe, Ward, and Hyde discussed...

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- Reference list entries should be alphabetized by the last name of the first author of each work
- For multiple articles by the same author, or authors listed in the same order, list the entries in chronological order, from earliest to most recent
- **Present the journal title in full**
- When a DOI (digital object identifier) of an article is available, include it in the reference
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Journal article

Format: Author, A. A., Author, B. B., and Author, C. C. (year), “Title of article”, *Title of Periodical*, volume number(issue number), pp-pp. doi:xx.xxxxxxxx

Bayad, A., Kim, D., and Li, Y. (2019), “Arithmetical properties of double Möbius-Bernoulli numbers”. *Open Mathematics*, 17, 32-42.

Journal article in press

Bayad, A., Kim, D., and Li, Y. (in press), “Arithmetical properties of double Möbius-Bernoulli numbers”. *Open Mathematics*. Retrieved from <http://sampleurl.com/data/inpress/article.pdf>

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Books and book chapters

Author, A. A. (Year of publication). *Title of work: Capital letter also for subtitle* (Volume, Edition – if applicable), Location: Publisher.

For books that are edited, please include (ed.) or in case of more editors (eds.) following the name(s).

Dixon, W. J. (ed.) (1983), *BMDP Statistical Software* (Vol. 1, 3rd ed.), Berkeley, CA: University of California Press.

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Footnotes/Endnotes

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Information concerning research grant support should appear in a separate Funding Information section at the end of the paper, not in a footnote. Acknowledgements of the assistance of colleagues or similar notes of appreciation should also appear in the Acknowledgements section, not in footnotes.

Acknowledgments

This section should describe recognition of personal assistance: people who contributed to the work, but do not fit the criteria for authors should be listed along with their contributions. You must ensure that anyone named in the acknowledgments agrees to being so named.

Author's Statements

This section should describe:

- any funding information, including the role of the study sponsor(s), if any, in study design, collection, analysis, and interpretation of data, writing the paper and decision to submit it for publication;
- authors contribution -if required;
- conflict of interest;
- Data Availability Statement (if applicable).

Please refer to Author's Statement document

Symbols and abbreviations

The use of special symbols, abbreviations, and acronyms is permitted as long as they are defined upon first mention in the article.

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Authors may use photographs, schemes, diagrams, line graphs and bar charts to illustrate their findings, Figures should be suitable for onscreen viewing and desktop printing. High resolution images should be provided on request or on manuscript acceptance. The figures and their lettering should be clear and easy to read.

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Tables must include enough information to warrant table format and should be used only where information cannot be presented in the text. Please do not use graphics software to create tables. Tables occupying more than one printed page should be avoided, if possible; larger tables can be published as an appendix. Tables should be numbered consecutively using Arabic numerals and referred to in the text by number. Each table should have an explanatory caption which should be as concise as possible. The headings should be sufficiently clear so that the meaning of the data is understandable without reference to the text. Any citations should be indicated using the same style as above.

Supplemental Materials

We encourage authors to submit essential supplementary files that additionally support the authors' conclusions along with their manuscripts (**the principal conclusions should be fully supported without referral to the supplemental material**). Supplemental material will always remain associated with its article and is not subject to any modifications after publication. The decision to publish the material with the article if it is accepted will be made by the Editor. Supporting files of **no more than 10 MB** in may be submitted in a variety of formats, but should be publication-ready, as these files will be published exactly as supplied. Material must be restricted to large or complex data sets or results that cannot be readily displayed because of space or technical limitations. Material that has been published previously is not acceptable for posting as supplemental material.

Supporting files should fall into one of the following categories:

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- Protocol
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